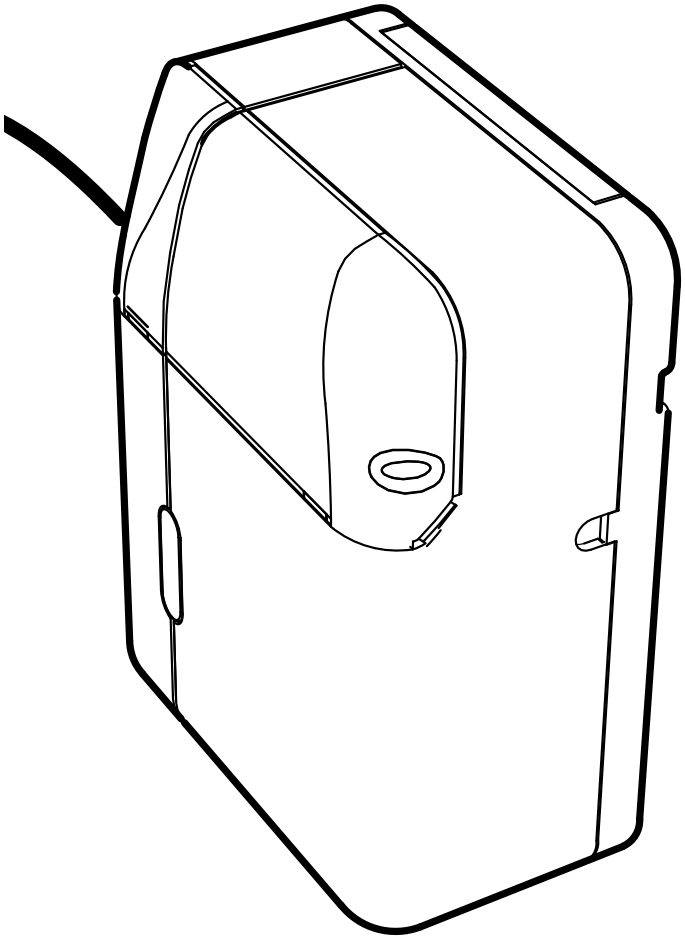


Wi-Safe

FireAngel®

WFS-627 User Manual

Wi-Safe Strobe Alert System

Part of the Wi-Safe Home Safety System

CONTENTS

INTRODUCTION 2

OVERVIEW 3

DEFINITIONS 4

APPLICATION 5

POSITIONING 5

LIMITATIONS 6

HOW TO INSTALL YOUR STROBE ALERT SYSTEM 10

- 1 Preparation
- 2 Connect the Rechargeable Battery
- 3 Installation
- 4 Connecting to Wi-Safe Alarms
- 5 Testing

OPERATION 16

- 6 Basic Function
- 7 Removal of AC (Mains) Power
- 8 Battery Care
- 9 System Integrity Check
- 10 Visual Indicators

WHAT TO DO IF YOUR STROBE ALERT SYSTEM TRIGGERS 21

REPAIR 25

TROUBLESHOOTING 26

DISPOSAL 28

WARRANTY 28

RETURNS 30

INTRODUCTION

Congratulations! You've made a wise investment in an innovative product and your personal safety. The **Wi-Safe WFS-627 Strobe Alert System** is one of a new generation of domestic life safety products from FireAngel, which combines the latest technology and innovative design to provide an aesthetically pleasing and effective contribution to your fire and carbon monoxide (CO) safety.

The Wi-Safe Strobe Alert System can only be used in conjunction with Wi-Safe smoke and carbon monoxide alarms.

What is Wi-Safe?

Wi-Safe is a FireAngel term to describe the wireless, radio frequency (RF) communication signal from Wi-Safe smoke or CO alarms to the Strobe Alert System (or other Wi-Safe receivers), using the FireAngel unique encryption protocol.

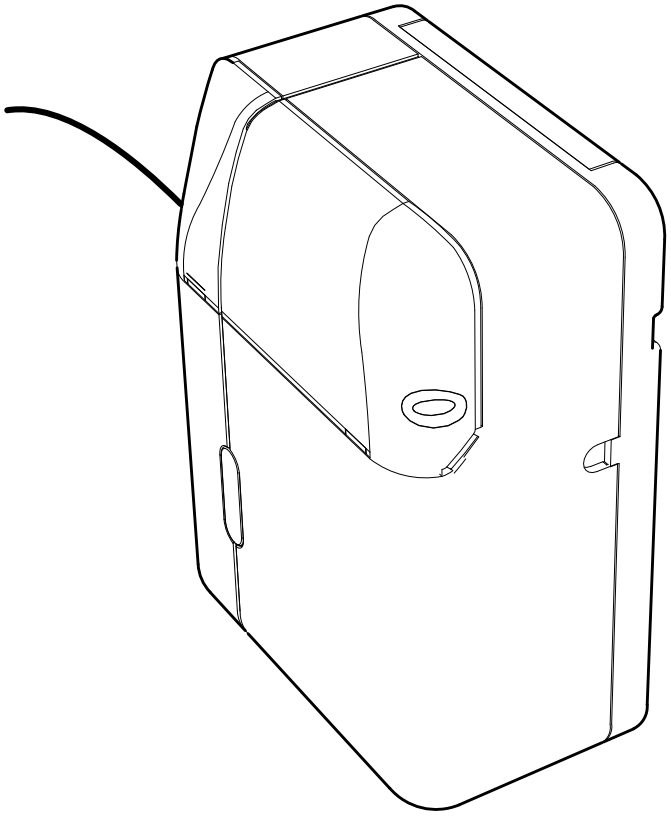
Wi-Safe Product Range suitable for use with WFS-627 Wi-Safe Strobe Alert System

- Wi-Safe Optical Smoke Alarm WSO-601
- Wi-Safe Ionisation Smoke Alarm WSI-601
- Wi-Safe 10 Year Optical Smoke Alarm WSO-610
- Wi-Safe 10 Year Ionisation Smoke Alarm WSI-610
- Wi-Safe Carbon Monoxide (CO) Alarm WCO-628

The WFS-627 Wi-Safe Strobe Alert System can be used alongside the WBS-616 Remote Warning Handset and any other FireAngel product containing a Wi-Safe receiver.

The FireAngel range of products is constantly being expanded. Please visit **www.fireangel.co.uk** to find out about the latest additions to our product range.

IMPORTANT: This user manual contains important information regarding the operation of your Strobe Alert System. If you are installing this product for use by others, you must leave this manual (or a copy of it) with the end user.



OVERVIEW OF THE FIREANGEL WI-SAFE HOME SAFETY SYSTEM COMPONENTS

- Strobe Alert System WFS-627
- Strobe and Vibrating Alert System WFSVP-629
- Remote Warning Handset WBS-616
- Vibrating Alert System WVP-626
- Smoke Alarms, WSI-601, WSO-601, WSI-610, WSO-610
- Carbon Monoxide Alarm, WCO-628
- Other future Wi-Safe products

Wi-Safe All Wi-Safe products bear the Wi-Safe logo

This FireAngel Wi-Safe Home Safety System consists of a Receiver Box with integrated Strobe Light, with AC mains adaptor to be used in conjunction with FireAngel Wi-Safe smoke or carbon monoxide (CO) alarms.

The smoke and/or CO alarms should be positioned in recommended locations specified in the user manuals accompanying those products. When your smoke or CO alarm triggers, it will go into alarm and send a radio frequency signal to the Wi-Safe Receiver Box. When the Wi-Safe Receiver Box receives the signal, it will activate the Strobe and the red LED visual indicator on the Receiver Box will illuminate to indicate what type of signal is being received.

DEFINITIONS

Strobe
High intensity flashing light

RF
Radio frequency, method of communication

LED
Light emitting diode (The 3 status indicators on the front of the receiver box are LEDs)

AC Adaptor
Alternating current adaptor, plugs into mains supply. The AC mains adaptor is rated at 230V 50Hz 0.075A input.

Encryption Protocol
A secure method of communication, identifying alarms within an individual system.

APPLICATION

WARNING: The Strobe Alert System is only designed to receive signals from FireAngel Wi-Safe smoke or CO alarms. It will not respond to other models or brands of smoke or fire alarm systems or other FireAngel non Wi-Safe smoke or CO alarms. The FireAngel Wi-Safe Home Safety System is not intended as a substitute for a complete fire alarm system, as specified in BS 5839-6: 2004.

Your Wi-Safe smoke or CO alarms contain transmitters only and will communicate with the Wi-Safe Strobe Alert System (and other Wi-Safe receiving products) only and will not communicate with each other.

POSITIONING

WARNING: The Strobe Alert System will only warn of smoke or carbon monoxide if it receives a signal from a recognised active alarm.

In which room should the Strobe Alert System be installed?

It should be installed in the primary room where you spend most of the time during the day e.g. living room, kitchen, dining room. Additional systems should be installed in any room where you may need to be alerted in the event of an alarm.

Where should the Receiver Box with Strobe be positioned?

- Close to a power socket where it can be easily plugged in and does not create a tripping hazard
- In a position where you can see the Strobe light from anywhere in the room

- Where it can be secured to a wall **OR** where it can be placed on a table (take care not to knock the Receiver Box off the table)
- Where you can see the LED indicators on the front of the receiver box

CAUTION: Do not put the Strobe Alert System

- Outside the building
- In a cupboard
- In a damp or humid area
- In an area where the temperature could regularly drop below –5°C or rise above 40°C
- Where it can easily be knocked or damaged

WHAT ARE THE LIMITATIONS?

Your Strobe Alert System requires a FireAngel Wi-Safe smoke or carbon monoxide (CO) alarm to trigger it by radio signal. The Strobe Alert System will not operate in isolation (on its own), with non Wi-Safe FireAngel smoke or CO alarms or any alarms made by other manufacturers. Your Strobe Alert System is designed to alert you by flashing a high intensity light on the Receiver Box when it receives a signal from an activated smoke or CO alarm. Your Strobe Alert System may not respond to a signal from a smoke or CO alarm if the alarm and the Receiver Box are too far apart; if there are obstructions that significantly reduce the signal (e.g. steel reinforcement in concrete); or if there are other electrical or electronic equipment that creates interference and obscures the signal. Your Strobe Alert System will only alert you to the triggering of a smoke or CO alarm if that alarm has been recognised (see 'Connecting to Wi-Safe Alarms' on page 12) by your Strobe Alert

System. After initial installation and testing, the performance of the communication between the smoke or CO alarm and your Strobe Alert System may be compromised by changes in the building's structure or contents. Always test to ensure the entire Wi-Safe Home Safety System (all alarms and receivers) is still working after any changes to your building's structure, wiring, plumbing, heating or changes in position of major items of furniture (beds, sofas, shelving units, etc.)

We recommend that, as a minimum, you install a strobe in a room where you are likely to spend a lot of time during the day. To get you started quickly your FireAngel WFS-627 has been designed to detect a signal from any FireAngel product with a Wi-Safe transmitter as soon as it is activated. We highly recommend you uniquely code your Wi-Safe system to your home, and isolate your Wi-Safe system from other Wi-Safe systems nearby. To do this go through the simple section 'Connecting to Wi-Safe alarms' starting on page 12 of your user manual.

The Strobe Alert System will not alert you to a smoke or fire situation unless it has been triggered by a recognised and operational Wi-Safe smoke alarm. Also it will not respond and alert you that a high level of carbon monoxide (CO) has been detected without the triggering of a recognised and operational FireAngel Wi-Safe CO alarm.

The FireAngel Wi-Safe Home Safety System may not alarm before a fire causes damage, injury or death, as the smoke may not reach the smoke alarm in time. Examples include smoking in bed and violent gas explosions. The smoke alarm may not respond in a reasonable time if it is not installed in the best position or if obstacles, such as furniture or closed doors, are located between the smoke alarm and the fire.

The Wi-Safe Home Safety System may not alarm before a dangerous CO level causes illness, poisoning or death, as the CO may not reach the CO alarm in time. The CO alarm may not respond in a reasonable time if it is not installed in the

best position or if obstacles, such as closed doors, are located between the CO alarm and the source of CO.

The Strobe Alert System requires both a continuously powered AC electrical supply and internal battery for its normal operation. The battery accompanying this product is rechargeable and charges when there is mains power to the Receiver Box.

WARNING: Use only the battery included in this pack as it has been chosen specifically for this application. Use of other batteries may damage the product.

The battery provided is rechargeable and is continuously charged when plugged into the mains. Installation of the wrong type of battery is dangerous and may cause harm or damage.

If the electrical supply fails or is removed, the unit will continue to operate on its back-up battery for up to 3 days. The yellow LED will flash twice every 5 seconds in the event of a low battery condition.

WHEN THIS OCCURS YOU MUST RESTORE POWER WITHIN 3 DAYS TO RECHARGE THE BACKUP BATTERY AND MAINTAIN CORRECT OPERATION.

The Strobe Alert System is designed to alert you with a visual indication from the Strobe. Residents who are asleep or under the influence of alcohol or drugs may not see the Strobe. Make sure the Strobe is not obstructed. Test and check that you can see the Strobe in all positions in the room in which it is located.

The Strobe Alert System employs the latest technology and is independently tested as being compliant with the applicable clauses of relevant British and European Standards. However, as with any electronic product, it might fail and may not give an indication of smoke or CO within sufficient time to alert you of the danger and provide adequate time for your escape. In order

to maximise your level of safety, always test your Strobe Alert System by testing all alarms in the Wi-Safe system every week to ensure the whole system is in full working order and that the radio frequency (RF) link between the alarms and receivers has not been compromised. (See "Testing" on page **14**).

NOTE: The Strobe Alert System, smoke and CO alarms should not be considered as a substitute for life or property insurance. The Strobe Alert System should be replaced immediately in the event of failure, and be replaced every 5 years regardless.

CAUTION: Your Wi-Safe Strobe Alert System is a sealed AC electrical device, and no attempt should be made to open the casing on any part of the system. Attempting to open the case will:

- Damage your system
- Possibly result in exposure to a potentially lethal electric shock
- Impair its operation
- Invalidate your warranty

DANGER: Under no circumstances should this product be immersed in water, or used in an area where water may come into contact with the system.

WARNING: The Strobe Alert System is intended for operation only on 230V AC, 50 Hz circuits.

HOW TO INSTALL YOUR STROBE ALERT SYSTEM

1 Preparation

IMPORTANT: Make sure you have read and understood this entire manual before installing your Strobe Alert System.

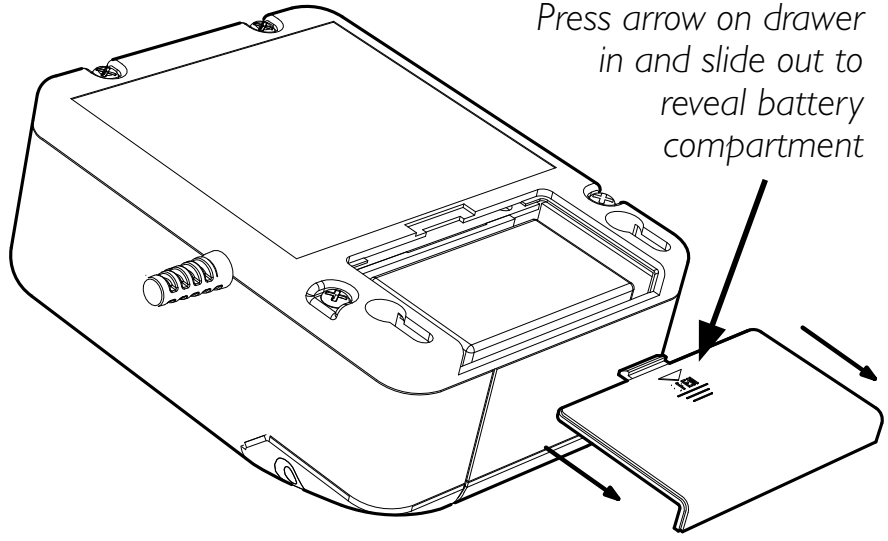
Ensure that all smoke alarms and carbon monoxide (CO) alarms to be used are compatible with your Strobe Alert System, look for the Wi-Safe symbol (see "Application" on page **5**). All smoke alarms and CO alarms must be installed, tested and working correctly as per the instructions in their respective user manuals.

2 Connect the Rechargeable Battery

WARNING: Connect battery with mains power disconnected.

CAUTION: Keep the battery away from exposed metal to avoid the possibility of short circuits. This could overheat and damage the battery.

Remove the battery cover from the back of the Receiver Box.
Locate the battery clip and connect the battery by aligning the terminals correctly and clip into place. Place the battery into the Receiver Box and replace the battery cover.



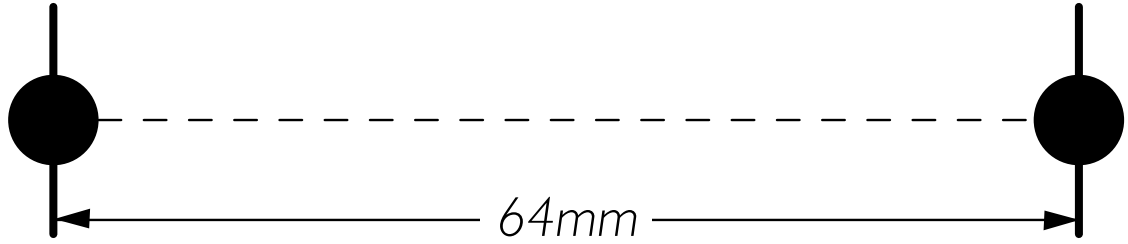
When the battery is connected the red and yellow LEDs will illuminate for a short period. At this point the yellow LED will do one of the following:

i) If the battery has discharged to a very low level during shipping the yellow LED will flash **twice** every 5 seconds to indicate that the battery level is low. Depending upon the level of charge in the battery this could continue for up to 72 hours.
ii) If the battery has retained sufficient charge during shipping then the yellow LED will flash **once** every 5 seconds until AC power is connected.

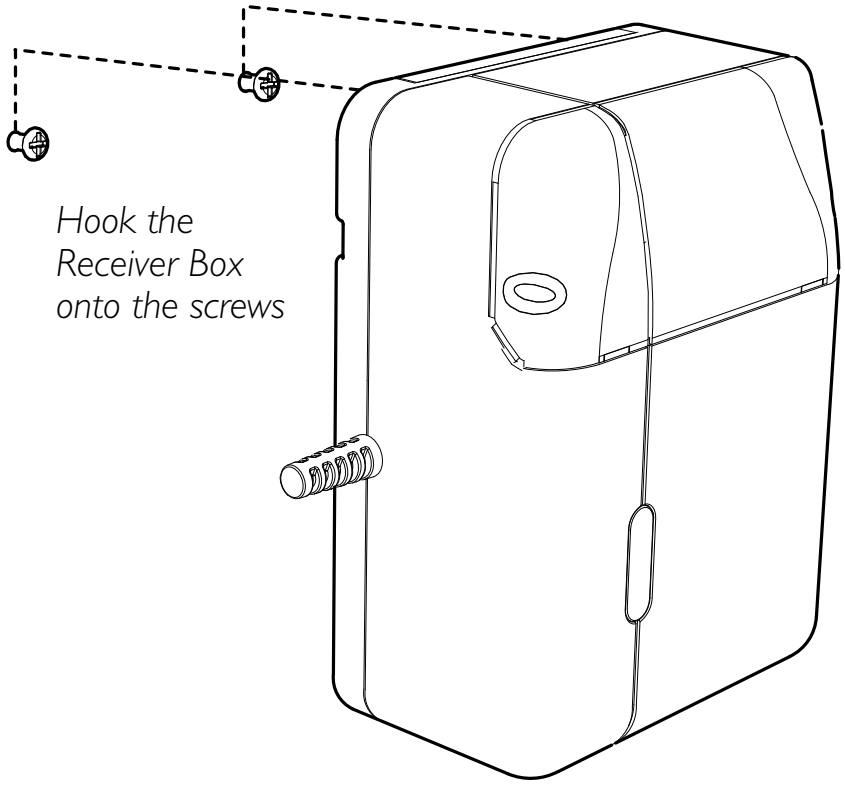
The battery is meant to provide power to the Strobe in the event that mains power has been disconnected or has failed. Only use the battery supplied. The battery should remain operational for the lifetime of the product ie. 5 years.

3 Installation

Make sure the Strobe is visible from anywhere in the room. We recommend wall mounting the Receiver Box with Strobe light. To do this drill two suitably sized holes **64mm** apart, centre to centre, using the guide below (**Warning** - make sure that you check for electrical cabling hidden in the wall before carrying out any drilling). In the pack you will find two screws and two screw anchors. Push the screw anchors (if needed) into the drill holes and secure the screw leaving the heads protruding so that the face of the head is **5mm** away from the wall. Now hook the Receiver Box onto the screws (see page 12). If placing the Receiver Box on a table instead of mounting on the wall, make sure it cannot be easily knocked or slide off. Plug the



wall adaptor into a 230V AC supply and ensure the supply is switched on. The green 'Power' LED should illuminate continuously to show that the AC power supply is connected.



Hook the Receiver Box onto the screws

4 Connecting to Wi-Safe Alarms

Your Strobe Alert System is designed to respond to smoke and carbon monoxide alarms that have a Wi-Safe transmitter installed. To get you started quickly your FireAngel WFS-627 has been designed to detect a signal from any FireAngel product with a Wi-Safe transmitter as soon as it is activated. We highly recommend you uniquely code your Wi-Safe system to your home, and isolate your Wi-Safe system from neighbours' Wi-Safe systems nearby.

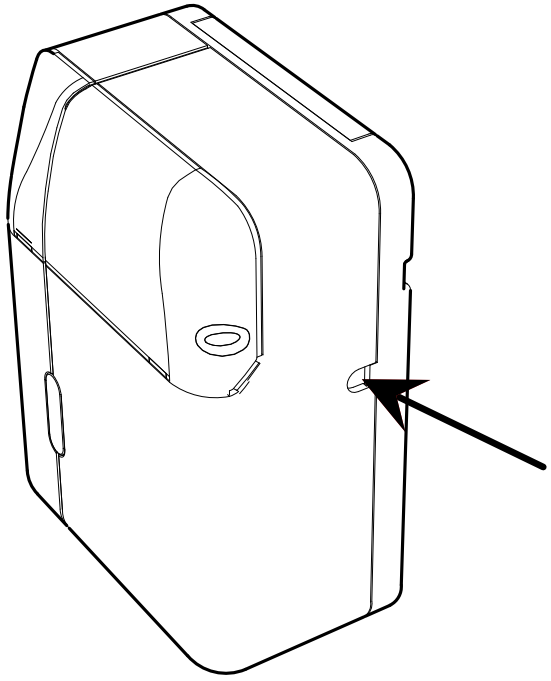
The Strobe Alert System must have been set up in accordance with points **1** 'Preparation', **2** 'Connect the rechargeable battery' and **3** 'Installation' before carrying out this procedure.

Uniquely coding your Wi-Safe system

You will need two people to carry out this operation.

Using a very small screwdriver or paper clip that

has been opened out, push the learn button located in the hole on the side of the Receiver Box with Strobe briefly and release (see below).



On releasing the button the Yellow and Red LEDs on the front of the Receiver Box will illuminate one after the other rapidly and continuously (the green light will be permanently illuminated as the mains will be switched on). This shall be referred to as the 'learn mode LED sequence'. This LED sequence will continue for around 4 minutes or until the learn button is pressed again, which will switch off learn mode.

The learn mode LED sequence shows that your Strobe Alert System is waiting for alarm signals to be learnt. At this point one person should go to the smoke or carbon monoxide alarm that is to be connected and press the test button on that smoke alarm or carbon monoxide alarm. When an alarm is testing the red LED on the alarm will flash rapidly and the alarm will sound. While the alarm is completing the test procedure, the person monitoring the Receiver Box should notice that the red and yellow LEDs flash more slowly.

NOTE: During the learning process the Strobe will not flash. Details of the operational test for the Strobe are included under section 5 'Testing'.

The change in LED pattern on the Receiver Box indicates that it has recognised the alarm. When the alarm test cycle is complete the yellow and red LEDs on the Receiver Box will flash rapidly

again in the normal 'learn mode LED sequence'. The person who pushed the test button on the smoke alarm should then return to where the Receiver Box is located and confirm with the person monitoring the Receiver Box that the LED sequence had slowed during the smoke alarm test indicating that it had recognised the smoke alarm. Once confirmed the next alarm can be connected by one person going to the alarm and pressing the test button again while the other person monitors the LEDs on the Receiver Box.

NOTE: When connecting CO alarms, only the horn and battery test is required. You do not need to carry out the detailed sensor test. The test button should be held down for 2 seconds only, during which time the LED on the CO alarm will flash Red rapidly and the alarm will sound continuously.

After connecting the final smoke/CO alarm in the system, you should press the learn button on the Receiver Box once to stop the learn mode. The 'learn mode LED sequence' will stop and only the green LED will remain permanently illuminated (assuming that the AC (mains) power is switched on). This will also happen automatically if no alarms are connected for 4 minutes or more.

5 Testing

Now the Receiver Box has been connected to all the alarms in the system you should test the functionality of the whole Wi-Safe system. The whole system should also be tested whenever:

- An alarm is added to the system
- The Receiver Box is moved
- There are changes to the structure of your property
- There are significant changes in the position of large items of furniture or electrical products in your home

Testing is simple, but again you will need two people to carry this out. Ensure that your Receiver Box with Strobe is located in its most suitable

position (refer to section on "Positioning", page **5**), with AC power connected.
One person will need to go to one of the connected alarms in the Wi-Safe System and carry out a self test. Test the alarm as per the user instructions for that particular model.

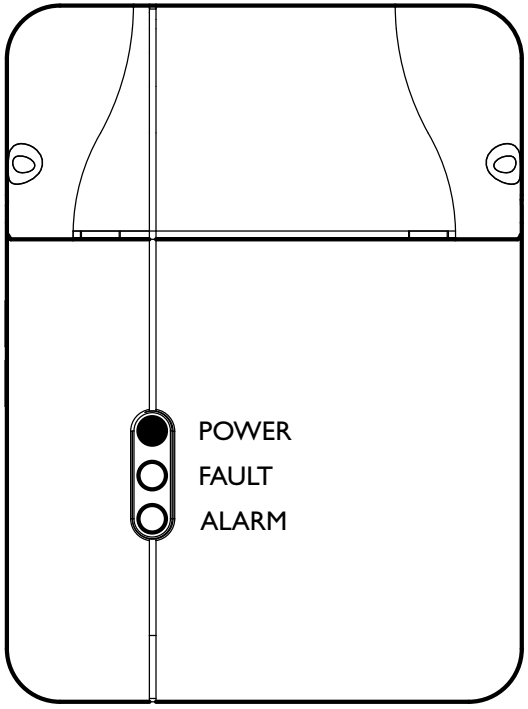
NOTE: For CO alarms only the horn and battery test is required, you do not need to carry out the full sensor test ie. only push the test button on the alarm for 2 seconds.
For smoke alarms: The other person should check that the red LED on the Receiver Box illuminates continuously for a short time, and that the Strobe flashes once or more.
For CO alarms: The other person should check that the red LED on the Receiver Box flashes for a short time, and that the Strobe flashes once or more.
For both alarms the red LED will stop illuminating automatically when the alarm signal from the alarm stops, ie. the alarm's test sequence is complete. The person who has tested the alarm should check and confirm with the person monitoring the Receiver Box that the LED on the Receiver Box indicated an alarm and that the Strobe flashes once or more while they were away testing the alarm.

IMPORTANT NOTE: The length of time that the Strobe flashes for varies and can vary from test to test even with the same alarm, this is normal. Also the length of time of operation will in most cases differ from the length of the alarm sound given off by the smoke or CO alarm. The Strobe may only flash once - this is normal. In a real alarm situation the Strobe will continue to flash while receiving an alarm signal.
Repeat this procedure for every connected Wi-Safe alarm.

NOTE: The above test procedures should be carried out both with and without the AC power turned on. During tests with AC power off, the yellow LED will also flash once every 5 seconds to indicate that AC power has been disconnected.

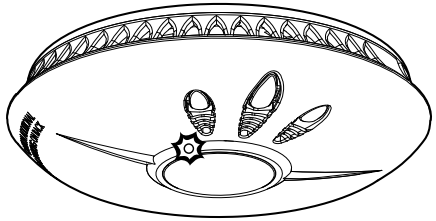
OPERATION

A On Standby with AC power connected

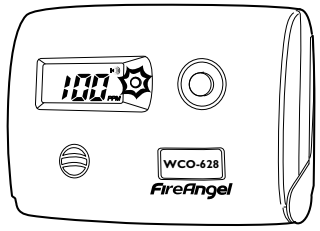


LED status on Receiver Box

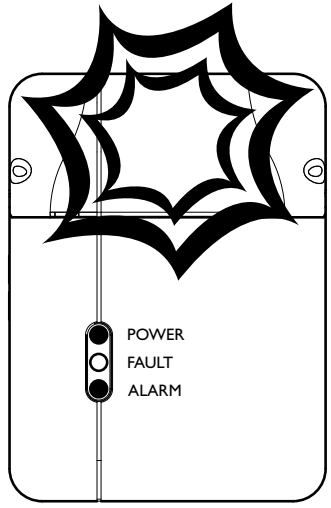
B In Alarm



Smoke Detected



CO Detected



Flashing Strobe and red ALARM LED on Receiver Box indicates alarm

6 Strobe Alert System Basic Function

A On Standby with AC power connected

The Receiver Box should be connected to an AC supply. The green "power" LED on the Receiver Box will be permanently illuminated.

B In Alarm

When a Wi-Safe smoke or carbon monoxide alarm goes into "alarm" mode the red LED will illuminate and the Strobe on the Receiver Box will flash continuously. The way in which the Strobe operates is the same for both alarm types, however the way in which the red LED illuminates depends upon which type of alarm is sending the signal.

For smoke alarms: When a signal is detected from a Wi-Safe smoke alarm the red LED will illuminate permanently.

For CO alarms: When a signal is detected from a Wi-Safe carbon monoxide alarm the red LED will flash 4 times rapidly followed by a short pause.

NOTE: If both smoke and CO alarms go into alarm mode, the red LED will operate in the same way as it would when receiving a signal from a smoke alarm.

The Strobe will stop flashing and the red LED will cease to illuminate when the alarm sending the signal has been reset or has stopped if the danger is no longer present. Only reset an alarm if you are certain there is no imminent danger from fire or carbon monoxide. You will only be able to silence the Strobe Alert System by silencing the alarm that initially triggered the system.

NOTE: The CO alarm can only be silenced if the alarm was caused by low levels of CO

being detected ie. less than 50ppm.

7 Removal of AC (Mains) Power

If AC (mains) power is removed (through unplugging the wall adaptor, switching off the AC supply or as a result of power outage), the green "power" LED will no longer illuminate continuously, but instead the yellow LED will flash **once** every 5 seconds.

Without AC (mains) power the Receiver Box and Strobe are powered by its internal backup rechargeable battery. To ensure correct operation the AC (mains) power must be restored as soon as possible. A battery with full capacity will allow the Strobe Alert System to operate for a total of 3 days without AC (mains) power.

8 Battery Care

The battery must be in good condition to provide adequate backup power in the event that AC (mains) power fails.

AC (mains) power should **always** be connected.

The battery provided has been chosen specifically for this application and will last for the lifetime of the product ie. 5 years under normal operating conditions. If during normal operation the yellow LED flashes **twice** every 5 seconds while the green LED is illuminated, contact technical support for advice (see page **30**).

WARNING: Use only the battery included in this pack as it has been chosen specifically for this application. Use of other batteries may damage the product.

The battery provided is rechargeable and is continuously charged when plugged into the mains. Installation of a non-rechargeable battery is dangerous and may cause harm or damage.

9 System Integrity Check

It is important that when any changes are made to the whole system or your home, you check that all the elements of the Wi-Safe system are still communicating. When any of the following occur; check the communication between all the alarms in the system and the Strobe Alert System(s). See Section 6 'Testing' on page **14**.

- Changing the battery in any alarm in the system
- Changing the layout of your house (e.g. structural changes, moving large items of furniture, wiring changes, major decorative alterations, adding large metal constructions)
- Installation of electronic equipment
- Adding further Wi-Safe products to the system
- Changing the battery in the Receiver Box (only when instructed by FireAngel technical support)

10 Visual Indicators

NOTE: The Strobe Alert System depends on correct operation of connected alarms. If a signal is not received from an alarm for any reason (for example, a fault in the alarm or no battery fitted), the Strobe Alert System will not respond. The Receiver Box will not indicate that there is a fault with other alarms in the system. Fault indicators on the Receiver Box relate to faults within the Receiver Box only.

Strobe

Indicates alarm signal from a Wi-Safe smoke or carbon monoxide alarm.

Power

Green POWER LED. In normal conditions (AC (mains) power connected), this is continuously illuminated to indicate that the Strobe Alert

System is powered by the AC (mains) power source.

If there is no AC (mains) power available or the AC (mains) power has dropped out, been switched off or disconnected, the **Green POWER LED** will not be illuminated and the **Yellow FAULT LED** will flash **once** every 5 seconds. This indicates that the Strobe Alert System is powered by the rechargeable backup battery.

Learn Mode

Yellow FAULT LED and Red ALARM LED flash alternately to show that the Strobe Alert System is in "Learn Mode".

Smoke

Red ALARM LED. Continuously illuminated when a smoke alarm in the system is in "alarm" mode. (See "Basic Function" section).

Carbon Monoxide

Red ALARM LED. Flashes when a Carbon Monoxide alarm in the system is in "alarm" mode. The red ALARM LED will flash 4 times rapidly followed by a short pause. (See "Basic Function" section).

Low Battery

Yellow FAULT LED. Flashes **twice** every 5 seconds when the internal battery capacity is low - contact Technical Support for advice (see page **30**).

Other FAULT Conditions

Yellow FAULT LED flashes rapidly continuously – internal fault – contact Technical Support for advice (see page **30**).

WHAT TO DO IF YOUR STROBE ALERT SYSTEM TRIGGERS

CAUTION: In all circumstances assume your Strobe Alert System is responding to a real alarm situation that has been triggered by a smoke alarm or carbon monoxide alarm.

STAY CALM.

PROCEED QUICKLY BUT WITH EXTREME CAUTION – FIRSTLY YOU MUST DETERMINE WHY YOUR WI-SAFE STROBE ALERT SYSTEM HAS BEEN TRIGGERED.

If the Strobe Alert System has been triggered by a remote signal from a smoke alarm the red ALARM LED on the Receiver Box will illuminate continuously.

If the Strobe Alert System has been triggered by a remote signal from a carbon monoxide (CO) alarm the red ALARM LED on the receiver box will flash 4 times rapidly followed by a pause. This cycle will continue while the CO alarm is in alarm.

NOTE: If both smoke and CO alarms go into alarm mode, the red LED will operate in the same way as it would when receiving a signal from a smoke alarm.

1 What to Do in the Event of a Smoke Alarm Triggering the System

Assume a Fire!

What to do in Case of Fire in your Home

If you have made a family escape plan and practiced it with your family, you have increased their chances of escaping safely. Go over the

following rules with your children each time you have a fire drill. This will help everyone remember them in case of a real emergency.

- Don't panic; stay calm. Your safe escape may depend on thinking clearly and remembering what you have practiced.
- Notify every member in the residence of the fire.
- Get out of the house as quickly as possible. Follow a planned escape route. Do not stop to collect anything or to get dressed.
- Feel the doors to see if they are hot. If they are hot, do not open them - use an alternative escape route.
- Stay close to the floor. Smoke and hot gases rise.
- Cover your nose and mouth with a cloth (wet if possible). Take short, shallow breaths.
- Keep doors and windows closed. Open them only if you have to in order to escape.
- Meet at your planned meeting place after leaving the house. Carry out a head count.
- Call the fire service on 999 as soon as possible from outside your house. If possible use a neighbour's phone or call box rather than a mobile phone (as the location can be traced from the number if the line is lost).
- Give the address and your name.
- Never go back inside the building until a member of the fire service has told you it is safe to do so.

If after proceeding with extreme caution you have been able to confirm that your Strobe Alert System was triggered by a nuisance alarm which may occur from time to time from cooking or other non-emergency situations you should silence the smoke alarm that has been triggered. This will stop the Strobe from flashing. It is important to practice escape plans and show everyone in the house, including children, what to do in the event of an alarm.

Contact your local fire service. They will give you more ideas about how to make your home safer

from fires and how to plan your family's escape.

2 What to do In the Event of a Carbon Monoxide Alarm Triggering the System

> ⚠ **Assume Carbon Monoxide has been detected in your home**

Immediately go to the location of your carbon monoxide detector to determine the level of alarm being indicated.

WARNING: An alarm condition indicates that abnormally high and potentially lethal levels of carbon monoxide are present. Never ignore this alarm, further exposure can be fatal. **Immediately check residents for symptoms of carbon monoxide (CO) poisoning, and contact the proper authorities to resolve all CO problems.**

NEVER IGNORE A LOW-LEVEL OR HIGH-LEVEL ALARM.

Ensure that you know what actions to take in the event of both high and low-level alarms.

What To Do During A High-Level Alarm

- Keep calm and open the doors and windows to ventilate
- Turn off all appliances that are potential sources of CO when possible, and stop using the appliance. These may include gas and wood-burning fireplaces, all gas appliances, and barbecues
- Evacuate the property leaving the doors and windows open
- Ring your gas or other fuel supplier on their emergency number; keep the number in a prominent place

Write your fuel supplier's emergency number here;

- Do not re-enter the property until the alarm has stopped.
- Get medical help immediately for anyone suffering the effects of carbon monoxide poisoning (headache, nausea) and advise that carbon monoxide poisoning is suspected.
- Do not use the appliance again until it has been checked by an expert. In the case of gas appliances this must be a CORGI registered installer.
- Your alarm will silence when the ventilation has allowed the CO level in your home to drop to an acceptable level.

What To Do During A Low-Level Warning

- Open all doors and windows to ventilate.
- Turn off all appliances that are potential sources of CO when possible, and stop using the appliance. These may include gas and wood-burning fireplaces, all gas appliances, and barbecues.
- Note the reading on the display.
- Silence the alarm and turn off the low-level icon by pressing the Test/Reset button.
- Do not use the appliance again until it has been checked by an expert. In the case of gas appliances this must be a CORGI registered installer.
- Get medical help immediately for anyone suffering the effects of carbon monoxide poisoning (headache, nausea) and advise that carbon monoxide poisoning is suspected.

Again, it is important to practice escape plans and show everyone in the house, including children, what to do in the event of an alarm.

NOTE: Please see your WCO-628 User Manual for further useful contact numbers.

REPAIR

DO NOT attempt to repair your Strobe Alert System.

If your Strobe Alert System is not operating properly, see "Troubleshooting Chart" on pages **26 & 27**. If you cannot solve the problem, please call the FireAngel Technical Support Line for advice on **024 7623 6663**, visit the 'Support' section on our website **www.fireangel.co.uk** or contact us via email using the following address: **technicalsupport@fireangel.co.uk**.

If your Strobe Alert System is no longer under warranty, replace it immediately. Your Strobe Alert System should be replaced after 5 years.

CAUTION: Your Wi-Safe Strobe Alert System is a sealed AC electrical device, and no attempt should be made to open the casing on any part of the system. Attempting to open the case will:

- Damage your system
- Possibly result in exposure to a potentially lethal electric shock
- Impair its operation
- Invalidate your warranty

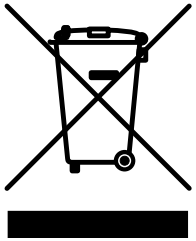
The battery provided has been chosen specifically for this application and will last for the lifetime of the product ie. 5 years under normal operating conditions. If during normal operation the yellow LED flashes **twice** every 5 seconds while the green LED is illuminated, contact technical support for advice (see page **30**). **Do not replace with any other type of battery.**

TROUBLESHOOTING

Problem	**Solution**
*Upon connection of the rechargeable battery the yellow LED flashes **twice** every 5 seconds*	This is normal if the battery capacity has become very low in transit. Switch the AC (mains) power on to charge the rechargeable battery. The yellow LED may continue to flash twice every 5 seconds for up to 72 hours (until the battery is sufficiently charged).
AC (Mains) Power indicator light is not illuminated	Check that the wall adaptor is plugged into an AC (mains) supply securely and the AC (mains) supply is switched on.
The Yellow LED is flashing once every 5 seconds	This indicates that there is no AC (mains) power to the unit. The green LED will not be illuminated. Ensure that the unit is plugged into a working power socket and the socket is switched on.
The Yellow LED is flashing rapidly and continuously	The Strobe Alert System has an internal fault, contact Technical Support (see page **30**)
Cannot press the learn button/cannot instigate learn mode	If using a pen or implement that is too wide, it may not make contact with the button in the hole on the side of the Receiver Box. Try using a paper clip that has been opened out or a very thin screwdriver.

When testing the system, the length of time that the Strobe flashes varies	This is normal and can vary even when carrying out multiple tests with the same alarm. As long as the Strobe flashes at least once then the system is working correctly.
The Strobe Alert System does not respond to an alarm that is being tested.	Ensure that the smoke/CO alarm is working and does not have a low battery. Check that the alarm is compatible (check for the Wi-Safe logo) and has been connected to the Strobe Alert System (see "How to Install your Strobe Alert System - 4 Connecting to Wi-Safe Alarms", page **12**). Move the Receiver Box closer to the alarm and re-test. If it responds, the Receiver Box was positioned too far away from the alarm or something was blocking the signal. See "Positioning", page **5**.
While connecting an alarm, the LEDs on the Receiver Box do not slow down to indicate the connection has been made.	Make sure the alarm is Wi-Safe compatible and is working correctly. Ensure the Receiver Box is in its "learn" mode (see "How to Install your Strobe Alert System - 4 Connecting to Wi-Safe Alarms" page **12**).

DISPOSAL



Waste electrical products should not be disposed of with regular household waste.

Please recycle where facilities exist. Check with your local authority, retailer or manufacturer for recycling/ disposal advice as regional variations apply.

The battery should be disconnected before disposal. You can also return your Strobe Alert System for disposal. For return address see the section on Returns. Please include a note confirming the product is being returned for disposal.

WARNING: DO NOT ATTEMPT TO OPEN. DO NOT BURN.

5 YEAR LIMITED WARRANTY INFORMATION

Warranty Coverage

FireAngel Limited warrants to the original purchaser that its enclosed WFS-627 Wi-Safe Strobe Alert System be free from defects in materials and workmanship under normal residential use and service for a period of 5 (five) years from the date of purchase. Provided it is returned with postage prepaid and proof of purchase, FireAngel Limited hereby warrants that during the 5 (five) year period commencing from the date of purchase FireAngel Limited, at its discretion, agrees to replace the unit free of charge. The warranty on any replacement Wi-Safe Strobe Alert System, will last for the remainder of the period of the original warranty in respect of the alarm originally purchased – that is from the date of original purchase and not from the date of receipt of the replacement product. FireAngel Limited reserves the right to offer an alternative product similar to that being replaced if the original model is no longer available or in

stock. This warranty applies to the original retail purchaser from the date of original retail purchase and is not transferable. **Proof of purchase is required.**

Warranty Disclaimers

This warranty does not cover damage resulting from accident, misuse, disassembly, abuse or lack of reasonable care of the product, or applications not in accordance with the user manual. It does not cover events and conditions outside of FireAngel Limited's control, such as Acts of God (fire, severe weather etc.). It does not apply to retail stores, service centres or any distributors or agents. FireAngel Limited will not recognise any changes to this warranty by third parties. FireAngel Limited shall not be liable for any incidental or consequential damages caused by the breach of any express or implied warranty. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration for 5 (five) years. This warranty does not affect your statutory rights. Except for death or personal injury, FireAngel Limited shall not be liable for any loss of use, damage, cost or expense relating to this product or for any indirect or consequential loss, damages or costs incurred by you or any other user of this product.

RETURNS

We recommend that you contact the FireAngel Technical Support Line in the first instance on **024 7623 6663**, text phone users dial **18001 024 7623 6663** or callers from Eire dial **1-800 523171** as we may be able to remedy the problem quickly over the phone (this is to prevent unnecessary returns that take a longer time to process). Alternatively e-mail:
technicalsupport@fireangel.co.uk.

If there is a fault that we are unable to resolve then our technical support team member will issue you with a returns authority number so that your product can be returned for testing.

To return your FireAngel WFS-627 Wi-Safe Strobe Alert System under warranty, send it suitably packed and with the battery disconnected with postage prepaid; a note indicating the returns authority number and describing the nature of the difficulty, with proof of purchase to:

FireAngel Limited
The TechnoCentre
Puma Way
Coventry, CV1 2TT
UK

NOTES

NOTES

CE

FireAngel®

Technical Support Line

024 7623 6663

Text phone users dial **18001 024 7623 6663**

Eire dial **1-800 523171**

E-mail:

technicalsupport@fireangel.co.uk

Web:

www.fireangel.co.uk

FireAngel Ltd. The Technocentre, Puma Way, Coventry CV1 2TT UK

GN0154/R1